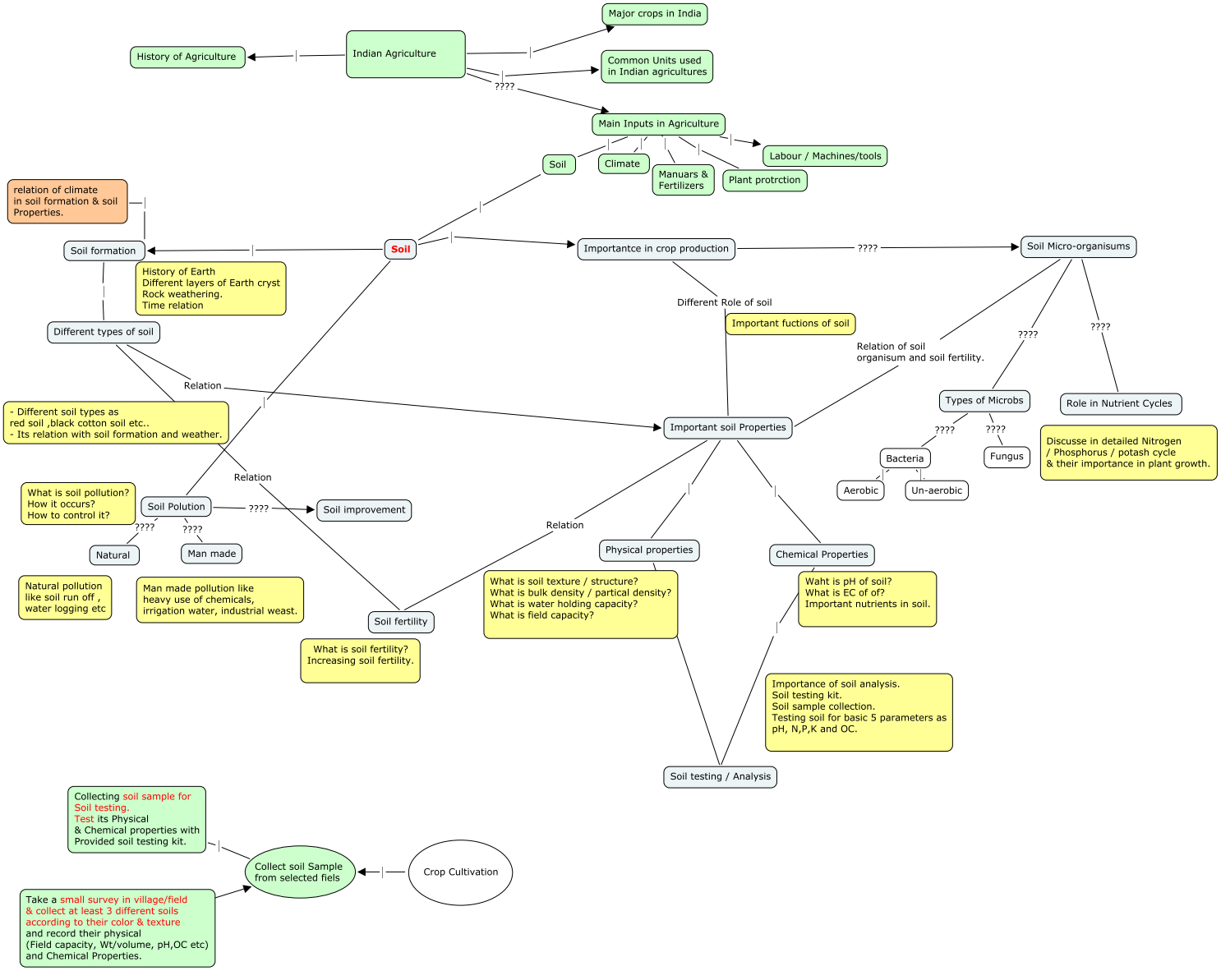
Major crops in India
History of Agriculture
Indian Agriculture
Common Units used in Indian agricultures
????
Main Inputs in Agriculture
Soil
Climate
Manuars & Fertilizers
Plant protrction
Labour / Machines/tools
relation of climate in soil formation & soil Properties.
Soil formation
Soil
Importantce in crop production
????
Soil Micro-organisums
History of Earth
Different layers of Earth cryst
Rock weathering.
Time relation
Different Role of soil
Important fuctions of soil
Different types of soil
Relation of soil organisum and soil fertility.
????
????
Relation
Types of Microbs
Role in Nutrient Cycles
- Different soil types as red soil ,black cotton soil etc..
- Its relation with soil formation and weather.
Important soil Properties
????
????
Discusse in detailed Nitrogen / Phosphorus / potash cycle & their importance in plant growth.
Bacteria
Fungus
Aerobic
Un-aerobic
Relation
What is soil pollution? How it occurs? How to control it?
Soil Polution
????
Soil improvement
????
????
Natural
Man made
Relation
Physical properties
Chemical Properties
Natural pollution like soil run off , water logging etc
Man made pollution like heavy use of chemicals, irrigation water, industrial weast.
Soil fertility
What is soil texture / structure?
What is bulk density / partical density?
What is water holding capacity?
What is field capacity?
Waht is pH of soil?
What is EC of of?
Important nutrients in soil.
What is soil fertility?
Increasing soil fertility.
Importance of soil analysis.
Soil testing kit.
Soil sample collection.
Testing soil for basic 5 parameters as pH, N,P,K and OC.
Soil testing / Analysis
Collecting soil sample for Soil testing.
Test its Physical & Chemical properties with Provided soil testing kit.
Collect soil Sample from selected fiels
Crop Cultivation
Take a small survey in village/field & collect at least 3 different soils according to their color & texture and record their physical (Field capacity, Wt/volume, pH,OC etc) and Chemical Properties.